

**Docket No. 217 – Development and Management Plan Inspection**

Northeast Utilities Service Company Certificate of Environmental Compatibility and Public Need for the construction of a 345-kV electric transmission line and reconstruction of an existing 115-kV electric transmission line between Connecticut Light and Power Company's Plumtree Substation in Bethel, through the towns of Redding, Weston, and Wilton, and to the Norwalk Substation in Norwalk, Connecticut.

**Date:** April 28, 2004

**Inspector:** Diana Walden

**Location:** Norwalk Substation Expansion

**Storm/  
Rain Event** Approximately 0.41" of rain fell over 4/22-24. Another 1.61" fell on 4/26-27

Areas of Inspection	Observation	Recommended Action
Access Roads	<ul style="list-style-type: none"> <li>- Following a total of 2 more inches of rain since the last inspection, water has pooled in some areas on site and conditions are muddy but not inaccessible. 4/28/04</li> <li>- If it becomes necessary, mats should be used but equipment access is not hindered at this time. 4/28/04</li> <li>-Sediment has built up in the gravel tracking pad and along the gravel access from Route 7 ramp however, New Canaan Avenue is still free of sediment 4/28/04</li> <li>- There continues to be slight erosion potential in a few spots along the access road's slope near the Route 7 ramp but it is not an issue. 4/16-4/28/04</li> </ul>	<ul style="list-style-type: none"> <li>- None at this time. Continue to monitor. 4/28/04</li> <li>- None at this time. Continue to monitor. 4/28/04</li> <li>- The area is well within the site. No actions at this time. 4/28/04</li> </ul>
Foundation construction	<ul style="list-style-type: none"> <li>- Most work on retaining walls is complete at this time 4/28/04</li> </ul>	<ul style="list-style-type: none"> <li>- Continue to monitor. 4/28/04</li> </ul>

Areas of Inspection	Observation	Recommended Action
	<ul style="list-style-type: none"> <li>- A new trench is under excavation near the northerly end of site to install underground conduits. 4/28/04</li> <li>-The excavation near the Route 7 ramp has been backfilled for the most part. The stockpiles near the roadway have been removed. Work on fence installation in this area is occurring. 4/28/04</li> <li>- Some grading and base material installation is occurring on the parking area near the retaining wall #4. The catch basin inlet has been identified. 4/28/04</li> </ul>	<ul style="list-style-type: none"> <li>- The area is well contained at this time. 4/28/04</li> <li>- The stockpiles have been removed/replaced as backfill. The area is bare of vegetation but may still be in use for access. 4/28/04</li> </ul>
<p>Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)</p>	<ul style="list-style-type: none"> <li>- An additional 2 inches of rain fell in this recent storm (Mon-Tues), however there were no additional impacts to the site. The river is still flowing at high levels and bank full conditions. Some decisions are being reached for the scoured areas of bank. 4/28/04</li> </ul>	<ul style="list-style-type: none"> <li>- Erosion control on site is working as expected with no additional issues following this recent storm. 4/28/04</li> </ul>
	<ul style="list-style-type: none"> <li>-The silt fence remains in good repair. The material in a few areas is becoming a little thin but all essential areas are fine. 4/28/04</li> </ul>	<ul style="list-style-type: none"> <li>- Continue to be proactive in silt fence repair and maintenance and inspect for problem spots on a regular basis. 4/28/04</li> </ul>

Areas of Inspection	Observation	Recommended Action
Erosion and Sediment Controls contd.	<p>- The topsoil stockpile will not be moved but will have to be utilized on site as needed. It remains in place with little migration of soil. Some silt is still noted in the riprap swale at its base, but has not mobilized to the sediment basin. 4/28/04</p>	<p>- The pile appears fairly stable but should continue to be monitored. 4/28/04</p>
	<p>- The temporary sediment basin once again has standing water throughout. A small amount of flow was noted at the outlet but there was no sediment plume in the river 4/28/04</p> <p>- Some minor erosion remained along the banks of the basin but nothing structurally degrading. 4/21/04</p>	<p>- The piece of filter fabric under the outlet pipe had actually contained a small but noticeable amount of sediment from the flow. It should remain in place and be cleared of sediment when it gets too full. 4/28/04</p> <p>- If erosion on the slopes of the basin worsens, it should be repaired. 4/21/04</p>
	<p>- A small pile of bluish stone gravel that had migrated to the river bank from the base of the tower during the flood is on the river side of the silt fence. 4/28/04</p>	<p>- When possible, the stone should be hand shoveled back to the work side of the fence. 4/28/04</p>
	<p>- Rocky scour remains below the retaining wall #5 on the southerly portion until it can be restored. 4/21-4/28/04</p> <p>- Topsoil and emerging grass remain on the banks on the northerly portion of the bank below the retaining wall, however some minor slumping in the soil was noted. 4/28/04</p>	<p>- Discussions are ongoing for stabilization measures. The decision is leaning towards tubeling shrub planting and plantable geogrids for structure. 4/28/04</p>
Inland Wetland and Watercourse encroachment and mitigation	<p>- The silt fence has not been damaged by the most recent storm. 4/28/04</p> <p>- The riprap outlet from the sediment is showing small amount of flow to the river but</p>	<p>- Continue to monitor silt fence and repair as necessary, especially in portions closest to the river. 4/28/04</p>

Areas of Inspection	Observation	Recommended Action
	<p>all sediment is being captured. 4/28/04</p> <ul style="list-style-type: none"> <li>- The area below retaining wall #5 on the southern portion remains rocky and scoured following the flood washout while final stabilization decisions are being made.</li> <li>-The topsoil remains and vegetation is beginning to grow on the northern end, however there is some slight slumping the soil 4/28/04</li> </ul>	<ul style="list-style-type: none"> <li>- Additional methods for stabilization are being decided. Measures will likely involve soil holding grids with quick growing shrub tubelings planted. Arrangements may be made soon to obtain willow (<i>Salix</i>) plantings. 4/21/04</li> </ul>
State species of concern, threatened and endangered species	<ul style="list-style-type: none"> <li>- No species of concern are located in this area of construction.</li> </ul>	<ul style="list-style-type: none"> <li>- N/A</li> </ul>
Vegetative clearing limits (including trees to save or danger trees noted)	<ul style="list-style-type: none"> <li>- The mulched and seeded areas were beginning to vegetate prior to being washed out in the floodwaters. The northern portion along wall #5 continues to vegetate 4/28/04</li> <li>- New growth of vegetation was noted near the riverbank at the time of inspection (including daffodils) however it may be necessary to revegetate here with a conservation seed mix if cover is not sufficient. 4/2-4/28/04</li> <li>- Roots and stumps are left in place here.</li> </ul>	<ul style="list-style-type: none"> <li>- New options such as shrub or tree plantings at this location may be necessary to create an established root system that can hold here. 4/28/04</li> <li>- Although some additional natural plant growth is occurring, we should know in a few weeks whether seeding for ground cover should be done in remaining bare areas. 4/28/04</li> </ul>
Dewatering	<ul style="list-style-type: none"> <li>- Dewatering activities are complete at this time. 4/28/04</li> </ul>	<ul style="list-style-type: none"> <li>-No actions required at this time. 4/28/04</li> </ul>
	<ul style="list-style-type: none"> <li>- No blasting is occurring on</li> </ul>	<ul style="list-style-type: none"> <li>- None at this time.</li> </ul>

Areas of Inspection	Observation	Recommended Action
Blasting	site at this time and it is not anticipated to be necessary.	
Spills	<p>- No spills were reported this week and no sheens or drips were observed during the inspection. 4/28/04</p>	<p>- The contractors should remain vigilant about securing and handling fuel containers due to the sensitivity of the area</p> <p>- Continue to keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site. There may be new procedures implemented for this- i.e. walk around checks on equipment on a regular basis.</p> <p>- The practice of using “diapers” is highly encouraged for any vehicle or equipment with a known leak.</p> <p>- Report spills to the office immediately, even if they are being controlled.</p>
Additional/Miscellaneous Observations	<p>- Shrubs and trees along the riverbank are beginning to leaf out and a number of bird species were active in this area. Wildlife tracks are also noted along the river as well as in the mud of the sediment basin.</p> <p>-The areas of bulky waste and dumpsters have been straightened up and some dumpsters will be removed from site in the near future.</p> <p><b>**Correction**</b> Several times in past reports, the wall closest to the river and the scour area has been incorrectly referred to as wall #4 when it is actually wall #5. Wall #4 is the wall up near the future</p>	<p>- Continue to watch all areas along the bank and provide additional enforcement if needed and investigate options for future stabilization.</p>

Areas of Inspection	Observation	Recommended Action
	parking area.	

**Next likely scheduled  
inspection:**

Thursday May 6, 2004 by Chuck Gidman \_\_\_\_\_

I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statements made in this document or its attachments may be punishable as a criminal offense in accordance with Section 22a-6 under Section 53a-157 of the Connecticut General Statutes.

**Inspector's Signature:**

*Diana Walden* \_\_\_\_\_



SOME SEDIMENT IS BEING TRAPPED IN THE GRAVEL PAD BUT THERE IS NO TRACKING ON THE ROADWAY. 4/28/04





SMALL AMOUNTS OF FLOW WERE LEAVING THE OUTLET FROM THE SEDIMENT BASIN. SOME SEDIMENT HAD COLLECTED IN THE FABRIC BUT THERE WAS NO PLUME IN THE RIVER 4/28/04



VEGETATION IS RETURNING TO THE RIVERBANK TO SOME DEGREE. SHRUBS AND TREES ARE LEAFING OUT. BARE SPOTS MAY REQUIRE SOME SEEDING IN SEVERAL WEEKS 4/28/04





OVERVIEW OF SITE FOLLOWING ANOTHER STORM EVENT. CONDITIONS INCLUDED SOME STANDING WATER BUT NO ADDITIONAL EROSION. 4/28/04





AREA WHERE GRAVEL HAD BEEN WASHED OVER THE SILT FENCE DURING THE STORM. WHEN FEASIBLE, THE STONE SHOULD BE SHOVELED BACK ON THE WORK SIDE OF THE FENCE. 4/28/04



VIEW OF THE SCOURED AREA. THE AREA WILL BE RESTORED AND STABILIZED AS GRASS IS GROWING IN ON REMAINING TOPSOIL. 4/28/04





CULVERT AT RIVERBANK FITTED WITH RIPRAP OUTLET. 4/21/04



FILTER FABRIC APPROPRIATELY PLACED UNDER CATCH BASIN INLET GRATE WITHIN PARKING AREA. GRAVEL AND BASE MATERIAL HAS BEEN PLACED HERE. 4/28/04